

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

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TITLE: Modified seed dressing containing pesticides, nutrients or plant growth regulators.

INVENTOR(S): Kotlinski, Stanislaw; Struszczyk, Henryk; Narkiewicz-jodko, Jan; Dobrzanski, Adam; Nowosielski, Olgierd; Polowinski, Stefan; Koch, Stanislaw

PATENT ASSIGNEE(S): Instytut Warzywnictwa, Skierniewice, Pol.

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CODEN: POXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Polish

INT. PATENT CLASSIF.:

MAIN: A01N025-24

ADDITIONAL: A01C001-06; A01N025-02

CLASSIFICATION: 5-3 (Agrochemical Bioregulators)

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PL 146138	B2	19881231	PL 1986-259271	19860429 <--
PRIORITY APPLN. INFO.:			PL 1986-259271	19860429

ABSTRACT:

The title seed dressing containing pesticides, nutrients, and growth regulators is obtained by the addition of polyacrylamide, hydrolyzed polyacrylamide, hydrolyzed polyacrylonitrile, acrylamide copolymers, poly(vinyl alc.), or poly(vinyl acetate) 0.1-50 wt% aqueous suspension at 0.01-10.0 wt% of the treated seeds, lignosulfonates, molasses, or brown coal dust 0.1-5.0 wt%, and HCHO, epoxides, or Ca salts at 0.01-1:1 of the amount of the polymer material. The dressing is easily applied by spraying, forms a strong film, and has low phytotoxicity. Onion seeds were treated with a dressing prepared by the addition of polyacrylamide (average mol. weight 2.5 + 106) 5% aqueous suspension, at 0.6 wt% of the weight of the seeds, to the com. seed dressing prepns. Oftanol T and Rowral (5 wt% each of the weight of the seeds). The germination capacity of the seeds was 78.5%.

SUPPL. TERM: seed dressing polyacrylamide polyacrylonitrile; pesticide growth regulator seed dressing

INDEX TERM: Seed
(dressings for, polymer-based, pesticides and growth regulators in)

INDEX TERM: Molasses
Pesticides
Coal, brown
Plant hormones and regulators

ROLE: BIOL (Biological study)
(seed dressings containing)

INDEX TERM: 50-00-0, Formaldehyde, biological studies 79-06-1D, Acrylamide, copolymers 7440-70-2, Calcium, biological studies 8062-15-5, Lignosulfonic acid 9002-89-5, Poly(vinyl alcohol) 9003-05-8, Polyacrylamide 9003-05-8D, Polyacrylamide, hydrolyzed 9003-20-7, Poly(vinyl acetate) 25014-41-9D, Polyacrylonitrile, hydrolyzed
ROLE: BIOL (Biological study)
(seed dressings containing)